

In the Claims

1. (Cancelled)

2. (Currently Amended) A martensitic stainless steel seamless pipe containing:

less than ~~about~~ 0.0100% of C and less than or equal to 0.0050% of C_{sol} ;

less than ~~about~~ 0.0100% of N;

about 10% to about 14% of Cr;

about 4% to about 7% of Ni;

about 0.05% to about 1.0% of Si;

about 0.1% to about 2.0% of Mn;

about 0.3% or less of P;

about 0.010% or less of S;

about 0.001% to about 0.10% of Al;

0.02% to 0.1% of V;

one or more selected from the group consisting of about 4% or less of Cu, about 4% or less of Co, about 4% or less of Mo, and about 4% or less of W; and

one or more selected from the group consisting of about 0.15% or less of Ti, about 0.10% or less of Nb, about 0.10% or less of Zr, about 0.20% or less of Hf, and about 0.20% or less of Ta on a mass basis, the remainder being Fe and unavoidable impurities,

wherein the content C_{sol} is determined defined by the following equation (1) ~~is equal to or less than 0.0050%:~~

$$C_{sol} = C - 1/3 \times C_{pre} \quad (1)$$

where $C_{pre} = 12.0 \{Ti/47.9 + 1/2 (Nb/92.9 + Zr/91.2) + 1/3 (V/50.9 + Hf/178.5 + Ta/180.9) - N/14.0\}$ or $C_{pre} = 0$ when $C_{pre} < 0$, where C represents the carbon content, Ti

represents the titanium content, Nb represents the niobium content, Zr represents the zirconium content, V represents the vanadium content, Hf represents the hafnium content, Ta represents the tantalum content, and N represents the nitrogen content on a mass basis, and martensite in a weld heat affected zone of the steel pipe is substantially free of Cr depleted zones.

3. (Previously Presented) The martensitic stainless steel seamless pipe according to Claim 2 further containing one or more selected from the group consisting of about 0.010% or less of Ca, about 0.010% or less of Mg, about 0.010% or less of REM, and about 0.010% or less of B on a mass basis.

4. (Currently Amended) A martensitic stainless steel seamless pipe containing:
less than about 0.0100% of C and less than or equal to 0.0050% of C_{sol};
less than about 0.0100% of N;
about 10% to about 14% of Cr;
about 4% to about 7% of Ni;
about 0.05% to about 1.0% of Si;
about 0.1% to about 2.0% of Mn;
about 0.03% or less of P;
about 0.010% or less of S;
about 0.001% to about 0.10% of Al;
about 0.02% to about 0.10% of V;
about 0.0005% to about 0.010% of Ca; and
one or more selected from the group consisting of about 4% or less of Cu, about 4% or less of Co, about 4% or less of Mo, and about 4% or less of W on a mass basis, the remainder being Fe and unavoidable impurities,

wherein the content C_{sol} is determined defined by the following equation (1) is equal to or less than 0.0050%:

$$C_{sol} = C - 1/3 \times C_{pre} \quad (1)$$

where $C_{pre} = 12.0 \{Ti/47.9 + 1/2 (Nb/92.9 + Zr/91.2) + 1/3 (V/50.9 + Hf/178.5 + Ta/180.9) - N/14.0\}$ or $C_{pre} = 0$ when $C_{pre} < 0$, where C represents the carbon content, Ti represents the titanium content, Nb represents the niobium content, Zr represents the zirconium content, V represents the vanadium content, Hf represents the hafnium content, Ta represents the tantalum content, and N represents the nitrogen content on a mass basis, and martensite in a weld heat affected zone of the steel pipe is substantially free of Cr depleted zones.

5. (Previously Presented) The martensitic stainless steel seamless pipe according to Claim 4 further containing one or more selected from the group consisting of about 0.15% or less of Ti, about 0.10% or less of Nb, about 0.10% or less of Zr, about 0.20% or less of Hf, and about 0.20% or less of Ta on a mass basis.

6. (Cancelled)

7. (Previously Presented) A seamless line pipe comprising the martensitic stainless steel pipe according Claim 2.

8. (Previously Presented) A line pipe comprising the martensitic stainless steel seamless pipe according to Claim 3.

9. (Previously Presented) A line pipe comprising the martensitic stainless steel seamless pipe according to Claim 4.

10. (Previously Presented) A line pipe comprising the martensitic stainless steel seamless pipe according to Claim 5.

11. (Cancelled)

12. (Previously Presented) A welded structure comprising the martensitic stainless steel seamless pipe according to Claim 2, welded to a member.

13. (Previously Presented) A welded structure comprising the martensitic stainless steel seamless pipe according to Claim 3, welded to a member.

14. (Previously Presented) A welded structure comprising the martensitic stainless steel seamless pipe according to Claim 4, welded to a member.

15. (Previously Presented) A welded structure comprising the martensitic stainless steel seamless pipe according to Claim 5, welded to a member.

16. (Cancelled)

17. (Previously Presented) A welded structure comprising the seamless line pipe according to Claim 7.

18. (Previously Presented) A welded structure comprising the seamless line pipe according to Claim 8.

19. (Previously Presented) A welded structure comprising the seamless line pipe according to Claim 9.

20. (Previously Presented) A welded structure comprising the seamless line pipe according to Claim 10.